

## Construction Trade Ratios

### Carpentry

1 apprentice to 1 an employer/journey worker; thereafter 1 apprentice to 3 journey workers (JW).

### Electrical

**Shop ratio:** 1 to 1, then 2<sup>nd</sup> apprentice for 3-4 journey workers, then 2 more journey workers for each apprentice (between 5 and 12 journey workers) then 1 apprentice for each 2 journey workers

**Job site:** no more apprentices than journey workers (1 to 1)

5<sup>th</sup> year apprentices may work alone on jobs for which they are trained and qualified; they are ratio neutral

### Glazing

1 to 1; thereafter 1 added apprentice for each 3 JW

### Heat & Frost Insulation

1 to 1; thereafter 1 apprentice to 3 JW

### Heavy Equipment Operator

1 to 1; thereafter 1 added apprentice for each 5 JWs

### Ironworker

1 apprentice for each 4 Structural and Reinforcing Ironworkers and 1 for 1 Ornamental Ironworker.

### Construction Craft Laborer

1 apprentice for 3 JW; 2 apprentices for 8 JW; 3 apprentices for 30 JW; thereafter, 1 apprentice to 10 additional JW.

Apprentices with 3000 hours are ratio neutral

### Masonry

1 to 1; thereafter 1 apprentice to 1 JW

### Operating Engineer

1 to 1; thereafter 1 apprentice to 6 JW

### Painting/Decorating

1 to 1; thereafter 1 apprentice to 3 JW

4<sup>th</sup> year apprentice may work alone after completion of all paid and unpaid related instruction

### Plumbing

1 to 1; 2 JW to 1 apprentice; 3 JW to 2 apprentices; 4 JW to 3 apprentices; 5 or 6 JW to 4 apprentices; 7 or 8 or 9 JW to 5 apprentices; 10 JW to 6 apprentices; thereafter 1 apprentice to 2 JW

4<sup>th</sup> and 5<sup>th</sup> <sup>year</sup> apprentices may work alone after completion of all paid and unpaid related instruction and they are ratio neutral

### Roofing

1 to 1 or 2 JW; thereafter 1 apprentice to 2 JW

### Sheet Metal

1 to 1; thereafter 1 apprentice to 2 JW

5<sup>th</sup> year app may work alone for jobs for which they are trained and competent

5<sup>th</sup> year apprentices are ratio neutral

### Sprinklerfitting

1 to 1; thereafter 1 apprentice to 1 JW

Apprentices in final 12 months, who are current in educational requirements, are ratio neutral

### Steamfitting

1 to 1; 2<sup>nd</sup> apprentice if 3 JW; 3<sup>rd</sup> apprentice if 5 JW; 4<sup>th</sup> apprentice if 7 JW;